

IFW

1309.43767X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Appl. No. :** 10/822,708 **Confirmation No.** 2911  
**Applicant :** WATANABE, H. et al.  
**Filed :** April 13, 2004  
**Title :** STORAGE CONTROL SUB-SYSTEM COMPRISING  
VIRTUAL STORAGE UNITS  
**TC/AU :** 2157  
**Examiner :** TBD  
**Docket No. :** 1309.43767X00  
**Customer No.:** 24956

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 31, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration. The Examiner is informed that copies of the documents are not enclosed.

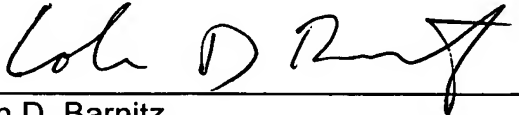
This information disclosure statement is being submitted before the mailing date of a first office action on the merits.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (1309.43767X00) please credit any excess fees to such deposit account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Colin D. Barnitz", written over a horizontal line.

CB/jdc  
(703) 684-1120

Colin D. Barnitz  
Registration No. 35,061  
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.



**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**1309.43767X00**

SERIAL NO.

**10/822,708**

APPLICANT

**H. WATANABE, et al**

FILING DATE

**April 13, 2004**

GROUP

**2157**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 6 9 6 9 3 4	12/97	Jacobson et al			
	6 5 5 7 0 7 3	4/03	Fujiwara et al			
2 0 0 3	0 2 0 4 7 0 1	10/03	Mimatsu et al			
2 0 0 4	0 2 2 5 6 9 7	11/04	Asano et al			
2 0 0 5	0 0 7 1 5 5 9	3/05	Tamura et al			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

**EXAMINER:** Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])